

### ABSTRACT OF THE DISCLOSURE

Robo1 and Robo2 polypeptides may be produced recombinantly from transformed host cells from the disclosed Robo encoding nucleic acids or purified from human cells. The invention provides isolated Robo hybridization probes and primers capable of specifically hybridizing with the disclosed Robo genes, Robo-specific binding agents such as specific antibodies, and methods of making and using the subject compositions in diagnosis, therapy and in the biopharmaceutical industry.